

HOOVER, **SPIRIT™** Cleaner

S3503
R0
**Owner's
Manual**



Fill in and retain!

The vacuum cleaner you have just purchased is a combination cleaner. It has a motorized power nozzle for carpet and floor cleaning and tools for other tasks.

The model and serial number appear on the bottom of the cleaner.

For your personal records, please enter the **COMPLETE** model and serial number in the spaces provided below and retain in a safe place.

Your cleaner is model _____

and has serial number _____

It is suggested that you attach your sales receipt to this owner's manual. Verification of date of purchase may be required for warranty service of your Hoover product.

Save!

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Important Safeguards!

- Read all instructions before using this appliance.
- **Warning:** Electric shock could occur if used outdoors or on wet surfaces.
- Close supervision is necessary when any appliance is used by or near children. Do not allow vacuum cleaner to be used as a toy or to run unattended at any time.
- Keep hands, feet, loose clothing, and hair away from rotating agitator. Do not operate the cleaner in bare feet or when wearing open toe shoes or sandals.
- Do not pull or carry by cord, use cord as a handle, close a door on cord or pull cord around sharp edges or corners. Do not run appliance over cord. Keep cord away from heated surfaces.
- Do not use cleaner to pick up matches, or live ashes and cigarette butts.
- Never vacuum in the presence of flammable or combustible liquids or fumes.
- The hose contains electrical wires. Do not use if damage, cut, or punctured.
- Avoid picking up hard, sharp objects with the cleaner. They may damage the cleaner and the bag.
- Always turn off this appliance before connecting or disconnecting either hose or motorized nozzle.
- Unplug cleaner when not in use. Turn off all controls before unplugging.
- Always disconnect cord from electrical outlet before servicing the cleaner.
- Change bag frequently when picking up very fine materials such as powder. Do not use without dust bag and/or filters in place.
- Use extra care when cleaning on stairs.
- Grasp the plug to disconnect from wall outlet to avoid damage to cord, plug, prongs, or receptacle. Never handle plug or appliance with wet hands.
- If cleaner has a cord reel, hold on to the plug while cord is being rewound to prevent cord from whipping.
- The use of an extension cord is not recommended.
- Do not use with damaged cord or plug. If appliance is not working as it should, has been dropped, damaged, left outdoors, or dropped into water, take it to a Hoover Factory Service Center or Authorized Hoover Warranty Service Dealer.
- Use vacuum cleaner only for its intended use as described in this owner's manual. Use only attachments recommended by The Hoover Company; others may cause hazards.

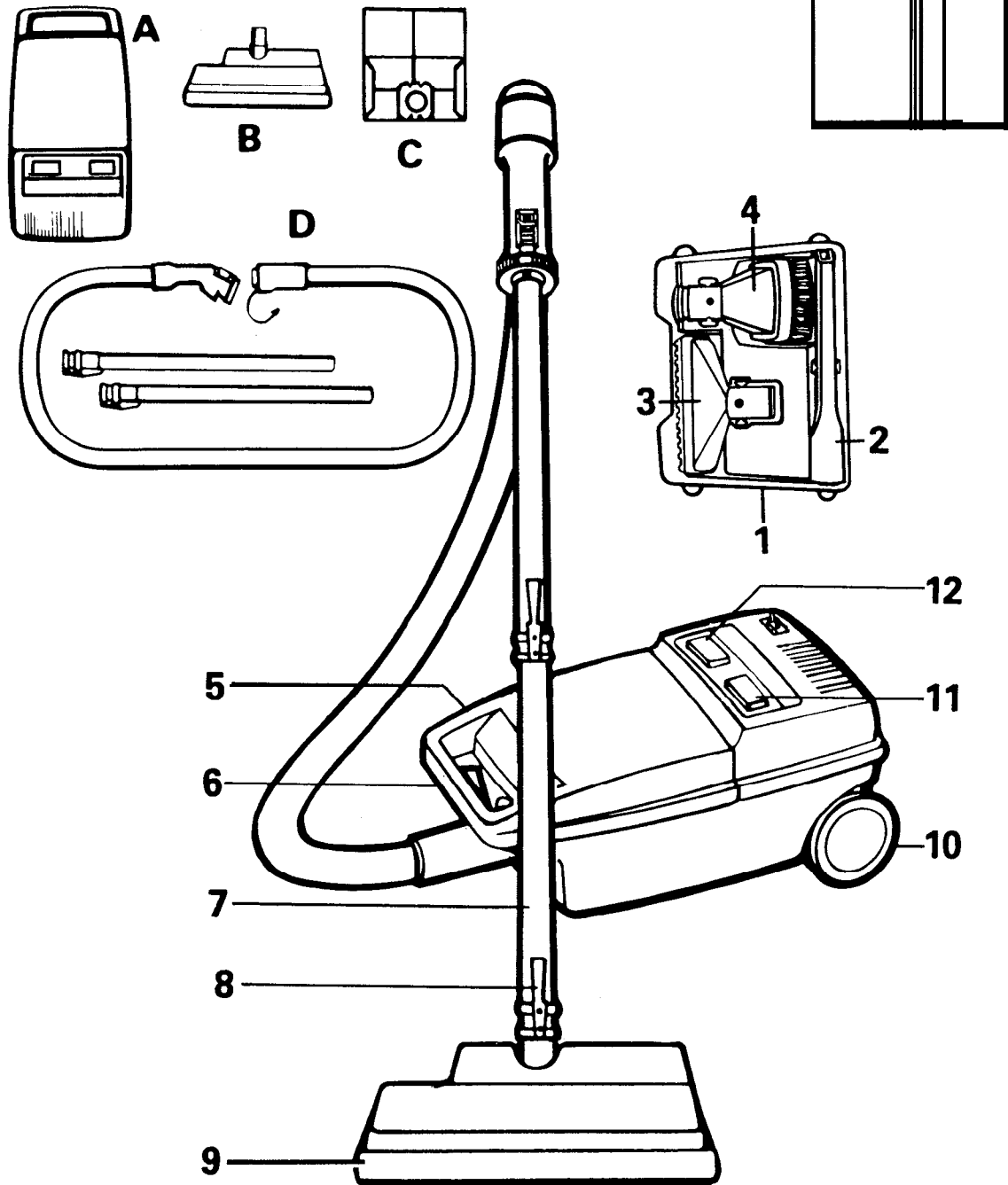
Save these instructions!

Unpacking

Unpack the cleaner from the carton and identify the parts shown. Remove and dispose of the cardboard packing.

- A. Canister cleaner
- B. Power nozzle
- C. Throw away bag
- D. Extension wands and hose

The cleaner assembled will look like the drawing below.



1. Tool storage tray: provides internal tool storage for crevice tool, furniture nozzle, and dusting brush.
2. Crevice tool
3. Furniture nozzle
4. Dusting **brush**
5. Cover: remove by lifting up top section of carrying handle and pulling forward.
6. Carrying handle
7. Extension wands: use with power nozzle. If added length is desired when using cleaning tools, add one or both wands to hose.
8. Spring latch: locks extension wands together or locks wand to nozzle or tool.
9. Power nozzle: automatically adjusts to different carpet pile heights.
10. Large wheels: provide easy towing, when hose is used to pull cleaner over carpet, area rugs and door sills.
11. ON-OFF control: located on top of cleaner for convenient foot operation.
12. Cord rewind control: step on control to rewind cord for storage.
Hold plug until cord is rewound.
13. Cord clips: fasten nozzle cord to extension wands.
14. Receptacle: connect power nozzle cord underneath hand grip.
15. Hand grip
16. Suction regulator: close for maximum suction; open if power nozzle is difficult to push on some carpet or if lightweight rugs or draperies are being cleaned.
17. Plastic latch ring: rotate to lock hand grip to extension wands or cleaning tools.

Operate cleaner only at voltage specified on data plate on bottom of cleaner.

How to assemble

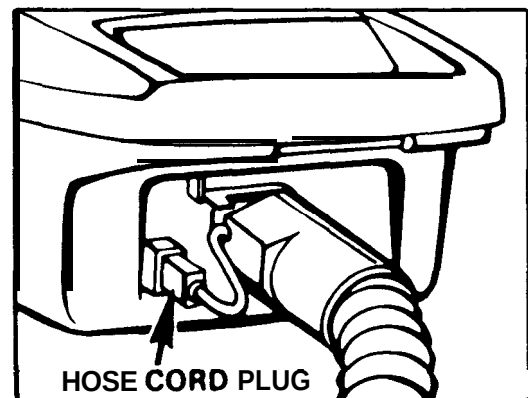
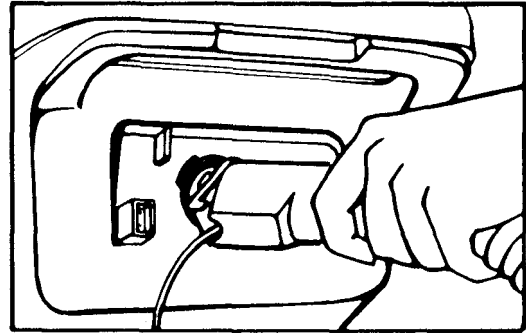
1. Connect hose

Insert hose end with cord into opening of cleaner, lining up largest projection on hose with largest notch of opening. Turn hose to the right to tighten.

When hose is attached properly, hose cord plug will reach to receptacle on cleaner.

Insert plug as deeply into the receptacle as possible.

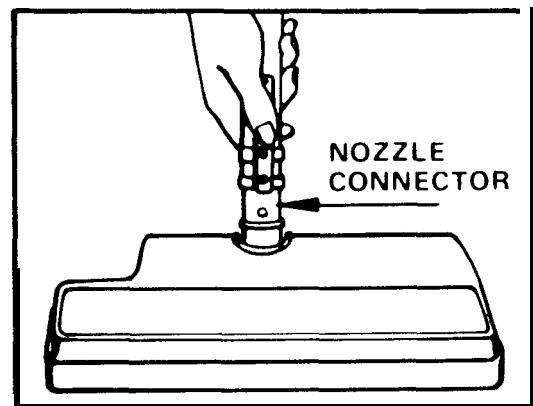
To disconnect hose, first remove hose cord plug from receptacle. Then, depress latch and turn hose to the left.



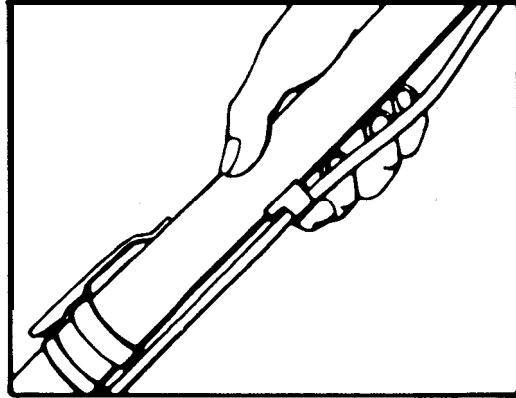
2. Attach power nozzle and extension wands

Attach wand to power nozzle by fitting button projection on nozzle connector into opening near end of wand. Be sure nozzle is locked in place.

To release, press down on center of latch and remove nozzle.



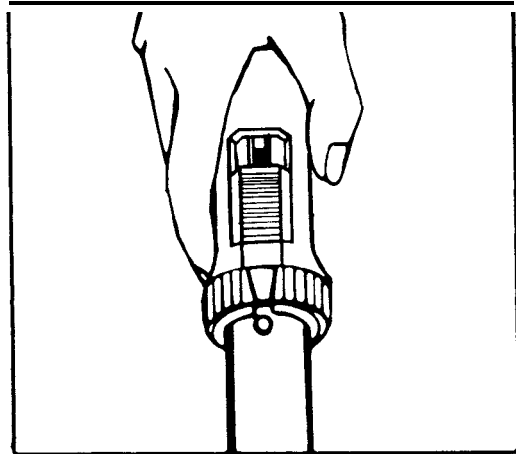
Attach second wand to the first. Position cord into cord clips on wands, placing excess cord between nozzle and bottom cord clip.



To attach hose to wands, rotate plastic latch ring on hand grip until slots in opening align.

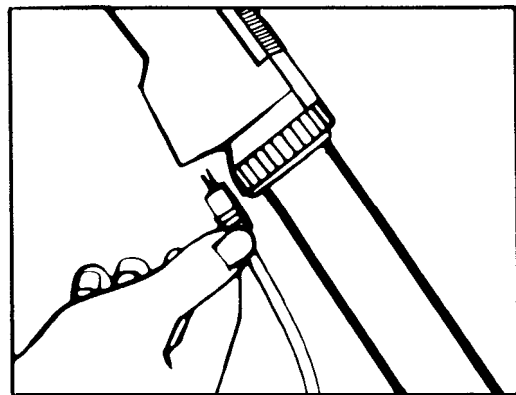
Push hand grip over wand so that button projection fits into slot. Turn latch ring to lock wand in place.

Reverse this procedure to remove wands.



Push plug on power nozzle cord completely into receptacle underneath hand grip.

Always disconnect cleaner from electrical outlet before attaching or removing power nozzle plug.



How to use

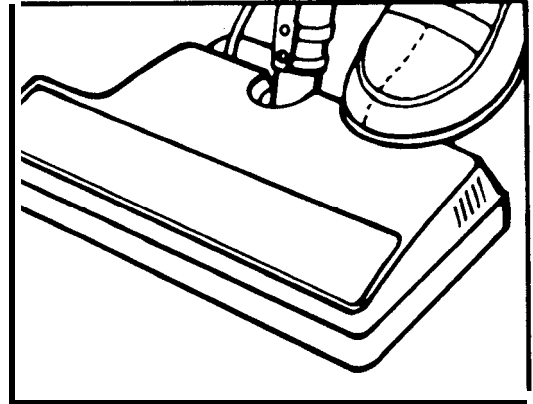
Power nozzle

The power nozzle adjusts automatically for cleaning hard surface floors and various heights of carpet. **The agitator may be turned off by unplugging power nozzle cord from hand grip when cleaning irregular floor surfaces such as brick, slate, and certain parquet floors.** This will stop the agitator from rotating. If desired, a special Wall/Floor Brush (shown in Cleaning Tools section) can be purchased for this task.

Handle positions

The handle has two positions when used with the power nozzle: **upright** and **operating**.

To lower handle to operating position, place your foot on the power nozzle and push handle down.

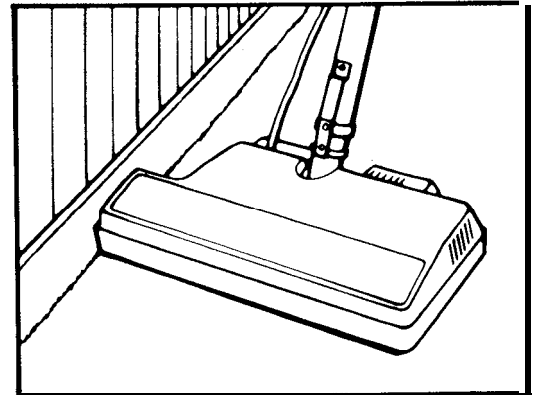


Edge cleaning

Brushed edge cleaning is provided on the right side of the nozzle to remove imbedded dirt in carpet near baseboards and furniture.

Standard edge cleaning is provided on the left side of the nozzle to remove surface dust and litter.

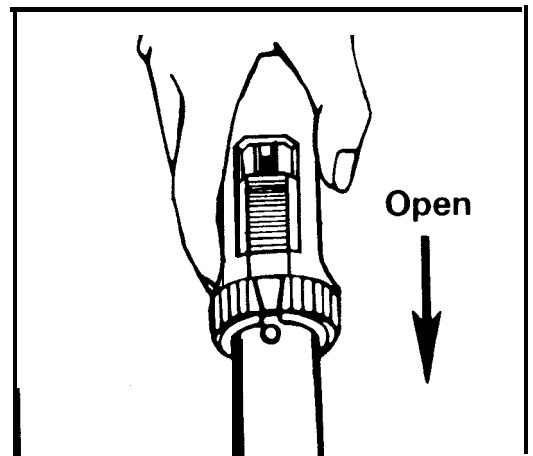
Guide right or left side of nozzle along edge of carpet for type of edge cleaning desired.

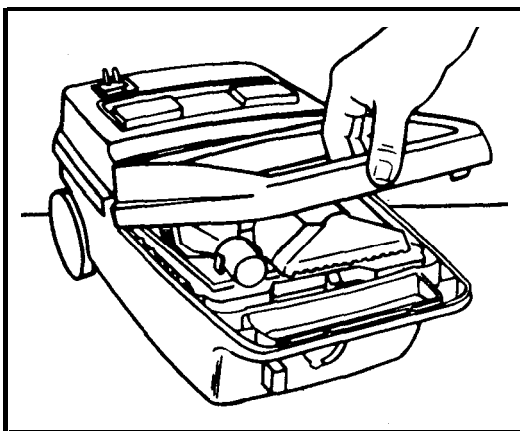


Suction regulator

The suction regulator is located on the hand grip and may be used to increase or decrease suction for various cleaning tasks.

If power nozzle is difficult to push on some carpet, open suction regulator. This will prevent damage to the belt.





Cleaning Tools

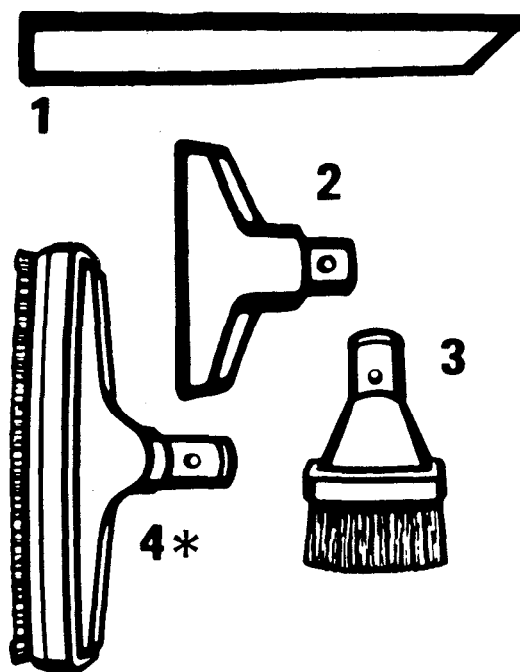
The three small cleaning tools are stored on a tray underneath the cover. Remove cover by lifting top section of carrying handle and pulling forward.

Select proper tool

The cleaning tools have many uses. Select the tool best suited for the cleaning task from the descriptions below.

The Wall/Floor Brush, also shown, is available at a nominal cost from your Authorized Hoover Dealer, a Hoover Factory Service Center or by writing to The Hoover Company, North Canton, Ohio 44720.

Adjust the suction regulator to select the amount of suction appropriate to the cleaning task.



1. Crevice tool may be used for radiators, dresser drawers, spaces between kitchen equipment.

2. Furniture nozzle may be used for upholstered furniture, draperies, tapestries, mattresses, clothing, automobile interiors and carpeted stairs.

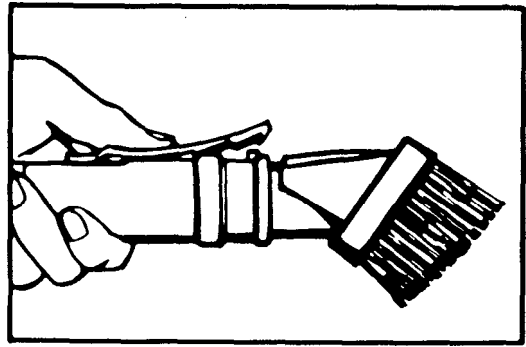
3. Dusting brush may be used for carved furniture, table tops, books, lamps, lighting fixtures, Venetian blinds, baseboards, shutters and registers.

***4.** Wall/floor brush may be used for walls and very irregular hard surface floors such as brick and slate.

*Available at additional cost.

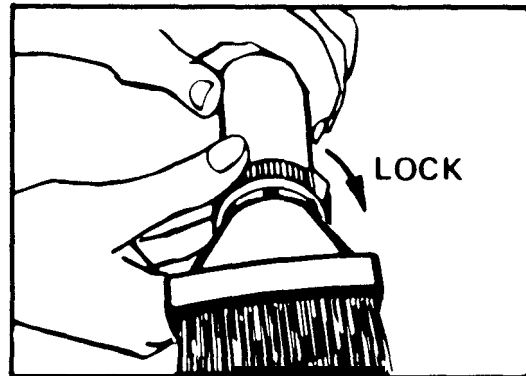
To connect and remove tools

To connect tools, insert end of tool into extension wand and snap into position. To disconnect, press down on the center of the spring latch and remove tool.

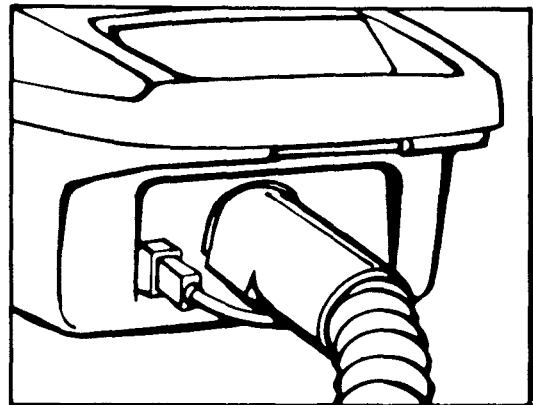


Tools may be attached to hand grip by rotating plastic latch ring until the slots in the opening align. Insert tool and turn latch ring, as shown, to lock tool in place.

To remove tool, reverse the above procedure.

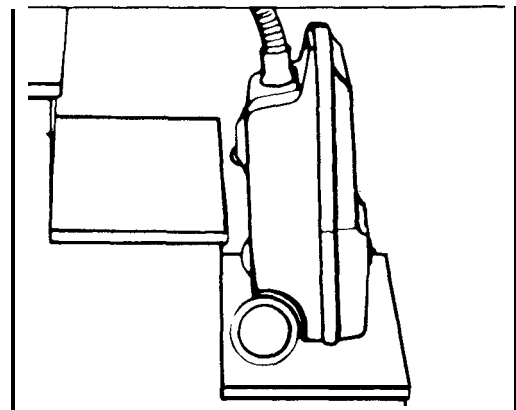


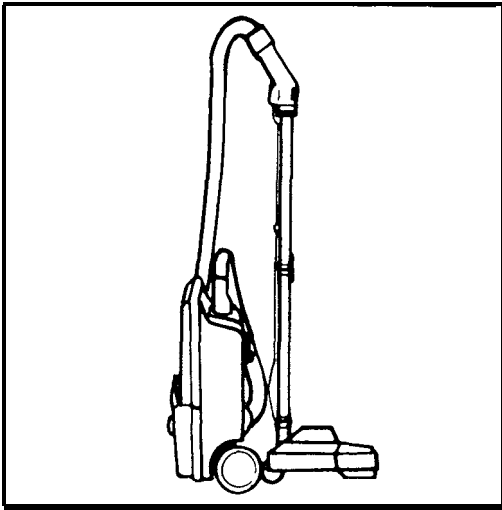
The power cord leading from hose connection to receptacle on cleaner base need not be connected when using the cleaning tools. **-However, to avoid damage to cord, leave cord connected to receptacle.**



To clean stairs

Clean stairs by placing cleaner on end as pictured in the illustration. Clean stairs from bottom to top.





How to store

Your cleaner can be stored on end as shown in the illustration. Store power nozzle with handle in upright position.

The hose, extension wands and power nozzle can be stored disassembled from the cleaner if desired.

Maintenance

The following sections are concerned with proper maintenance of the cleaner. Familiarize yourself with these home maintenance tasks and keep this owner's manual in a convenient place where you can refer to it when needed. Proper use and care of your cleaner will ensure continued cleaning effectiveness.

The bag

When to replace

Check bag from time to time. When bag is filled with dirt, replace it and discard used bag.

The cleaner will not operate effectively if the bag is completely full or of a large item or clog is caught in the nozzle or at the opening of the bag. An internal thermal protector has been used in your cleaner to prevent overheating under these conditions. **When the blockage is not removed, the thermal protector will trip and the cleaner will stop running.** If this happens, turn cleaner OFF and **disconnect cleaner from electrical outlet.** Then disconnect nozzle and remove obstruction. Within 15 minutes the thermal protector will cool and automatically reset, then cleaning may resume. If cleaner does not operate, allow additional time for thermal protector to reset.

CAUTION: Very fine materials, such as face powder, cornstarch, fireplace ashes or fireplace soot, may seal the throw away bag and may cause it to burst even though it is only partially full of dirt. When the cleaner is used to remove material of this nature, the bag should be changed frequently.

Where to buy bags

Bags may be purchased from your local Authorized Hoover Dealer or from a Hoover Factory Service Center. **When ordering bags, be sure to give the model number of your cleaner.**

What bags to buy

Use HOOVER bag **type K** with this cleaner,

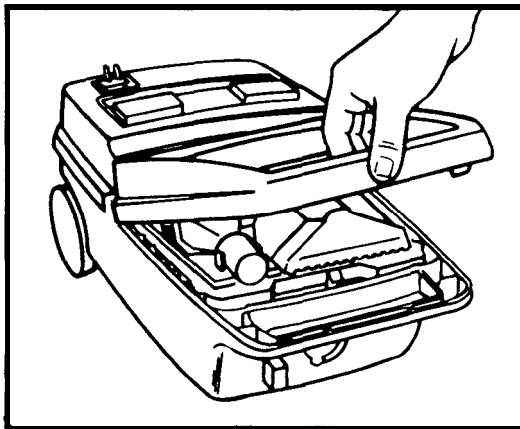
To assure that your HOOVER cleaner operates at peak performance, it is imperative that you use only genuine HOOVER throw away bags made by The Hoover Company. HOOVER bags can be identified by the trademarks — —

HOOVER®

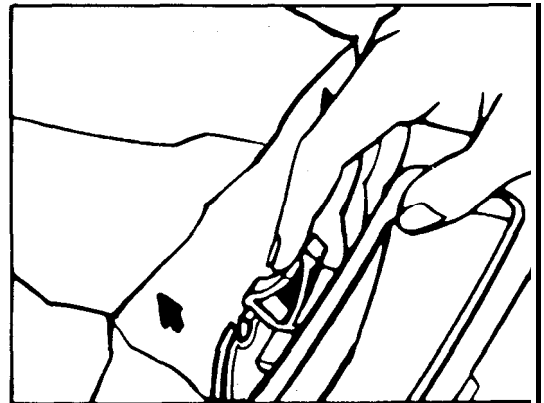


Replacing the throw away bag

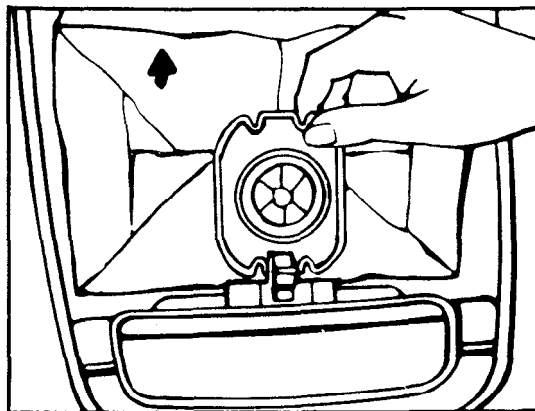
Disconnect cleaner from electrical outlet.



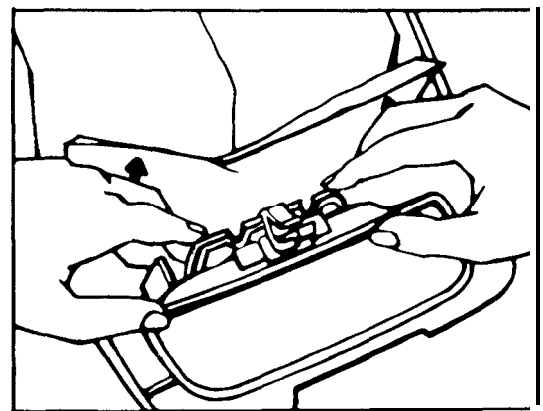
1. Remove cover by lifting top section of carrying handle and pulling forward. Lift out tool storage tray.



2. Depress latch and lift out used bag.

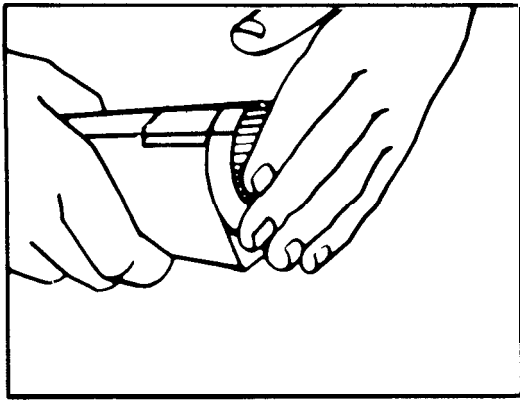


3. Place lower notched edge of new bag collar into grooves located inside front of cleaner.



4. Pull collar forward until latch snaps onto collar. Open folds of bag. Push top of bag back; replace tool tray and cover.

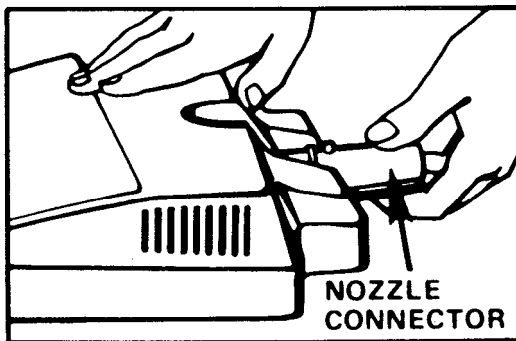
Note: A bag that does not expand properly may restrict air flow. In this event, check the bag, making sure all the folds are open. **High suction on some carpet surfaces can cause the nozzle to hug the carpet and also restrict air flow. If this occurs, reduce the suction by opening the suction regulator.**



Clearing obstructions

Remove larger items from carpet and floor surfaces before vacuuming to help prevent obstructions in the hose, wands or nozzle connector, and maintain the cleaning effectiveness of your cleaner.

To check for obstructions, first turn cleaner off and **disconnect from electrical outlet; then disconnect power nozzle plug and wands from hand grip**. Plug cleaner in, turn on, and check hose end for suction. Remove any obstructions. Remove power nozzle from wands and attach wands to hose. Check for suction and remove any obstructions. **Before** attaching power nozzle to wands, check nozzle connector.

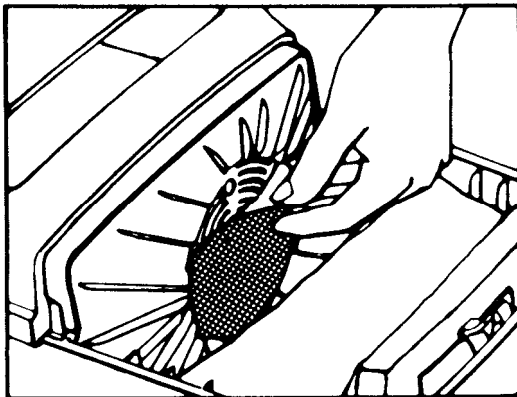


Push nozzle connector down to lowest position. Look into nozzle connector and remove any obstructions.

Secondary filter

To clean secondary filter
Disconnect cleaner from electrical outlet.

The secondary filter, behind the throw away bag, protects the motor from dirt particles. If filter becomes dirt, lift it out and wash in warm water or replace it with a new one. A dry filter must be put back into cleaner.



Do not operate cleaner without the secondary filter in place.

The belt

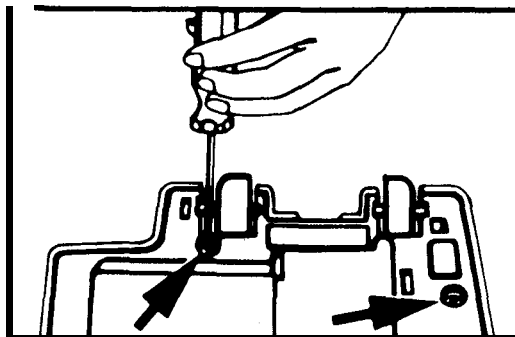
The belt in your power nozzle drives the agitator. It has been designed specifically for use in this cleaner and is important for effective operation. There are other belts manufactured that are similar in shape and size but are not designed for the HOOVER power nozzle. Such belts do not operate the agitator correctly and may create stress which could damage your power nozzle. Use **only** a genuine HOOVER Belt No. **38528-011** when a belt replacement is necessary.

When to replace the belt

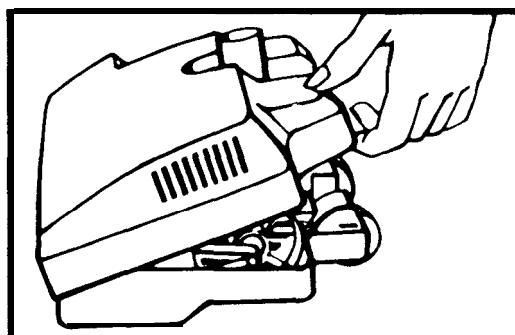
The belt, located under the nozzle cover, should be checked from time to time to be sure it is in good condition. Remove nozzle cover as shown below. Replace belt if it is stretched, cut, or broken.

How to replace the belt
Disconnect cleaner from electrical outlet and disconnect power nozzle from extension wands.

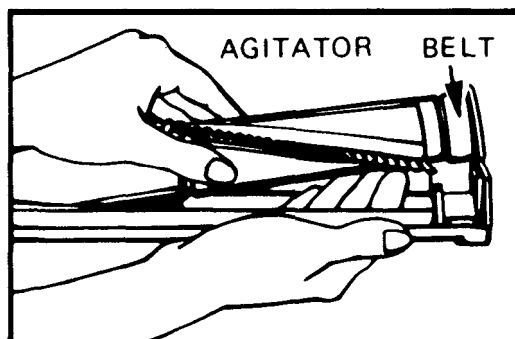
Turn nozzle over and unscrew the 2 Phillips head screws from the nozzle base.

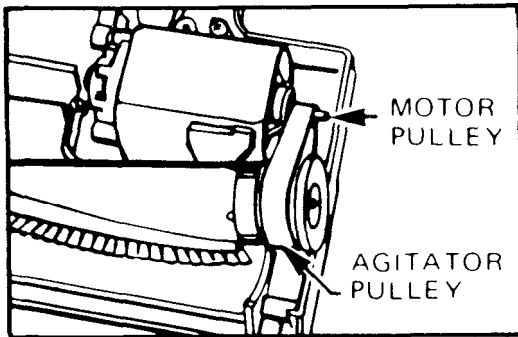


Return nozzle to original position and lift up back of nozzle cover. Rotate cover forward and lift it off the nozzle.



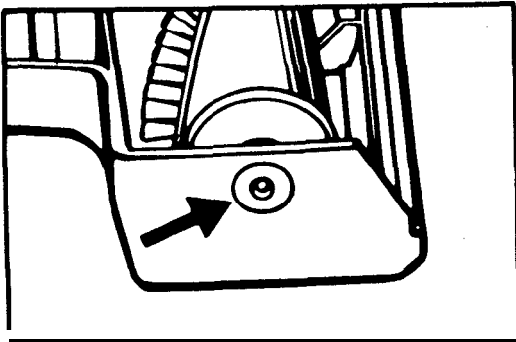
To remove the agitator, position hand underneath nozzle base at agitator opening and push up belt end of agitator. Remove agitator and old belt.



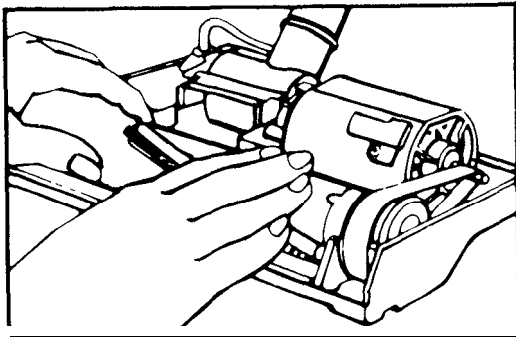


Place new belt on motor pulley, with lettering on outside of belt.

Then slip agitator through belt, positioning belt on agitator pulley.

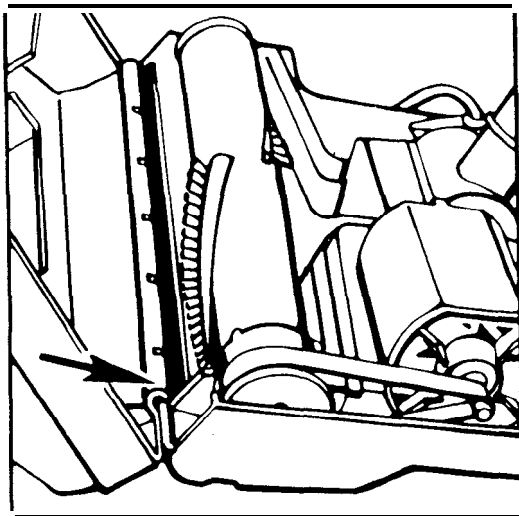


Position round projection on opposite end of agitator into opening in wall of nozzle base.



Push agitator slightly to the left, pull forward, and press it down into nozzle base.

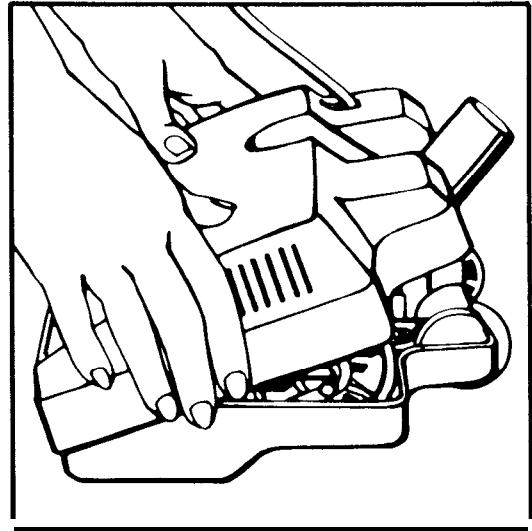
Roll agitator to make sure belt is positioned properly.



Attach cover to front of nozzle by matching notch in cover with groove in nozzle base.

Maintain front connection, while rotating cover over nozzle base. Pull nozzle cord through opening in cover.

Turn nozzle over and replace screws.

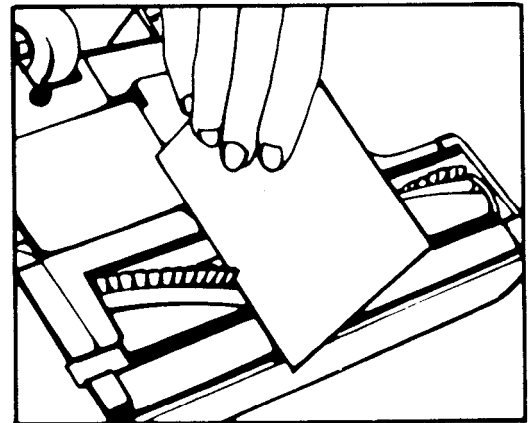


Agitator brushes and brush roll

When to replace brushes

Disconnect cleaner from electrical outlet.

To check condition of brushes, move edge of card across agitator opening while turning agitator. To maintain cleaning effectiveness, replace brushes if they do not touch card.

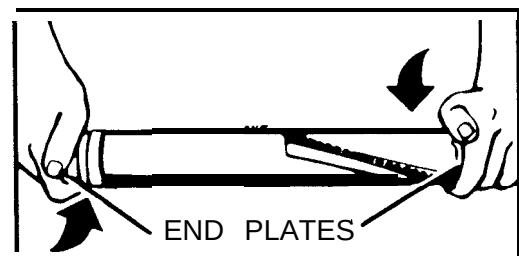


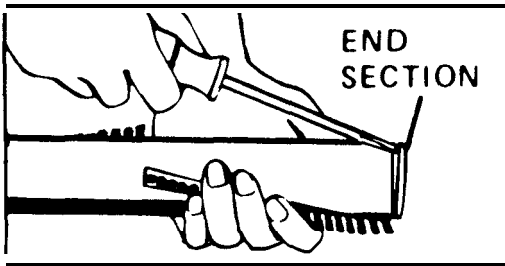
How to replace agitator brushes

Disconnect cleaner from electrical outlet and disconnect power nozzle from extension wands.

Remove nozzle cover, agitator and belt following directions in "How to replace belt" section.

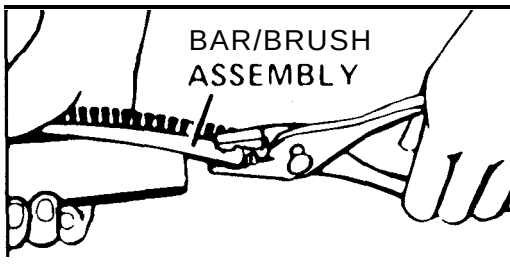
1. Hold agitator as shown. Turn end plates in opposite directions until one end plate comes off.





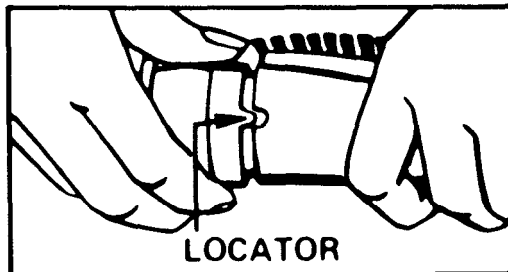
2. Pull or pry out end sections as shown in illustration.

Note: Pulley end should be removed by pulling straight out.



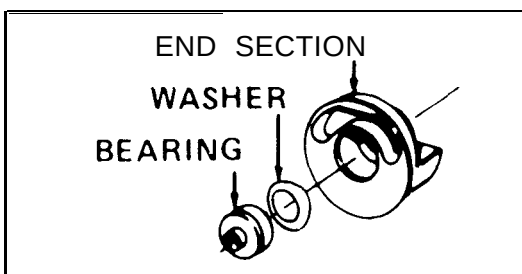
3. Pull bar/brush assemblies from agitator slots, using pliers if necessary.

The word "BAR" is stamped near the slots on the agitator. Match bar side of brush assembly with "BAR" on the agitator shell. Push new brushes all the way into the slots, tapping end lightly, if necessary.



4. Line up locator on end sections with slot on agitator. Push end sections into position.

Screw on end plates and tighten.



Note: If bearing should fall out of end section during disassembly of agitator, reassemble as shown.

5. Replace belt, agitator and nozzle cover as shown in "How to replace belt."

If you have a problem

This appliance was inspected thoroughly and was in good operating condition when it was shipped from the factory. If a minor problem occurs it usually can be solved quite easily when the cause is found. Therefore this check list is provided to assist you.

Problem	Possible cause	Possible solution
A. Cleaner won't run	1. Not firmly plugged in. 2. No voltage in wall plug. 3. Blown fuse/tripped breaker. 4. Thermo-protector tripped.	1. Plug unit in firmly. 2. Check fuse or breaker. 3. Replace fuse/reset breaker. 4. Remove obstruction/change throw away bag (see "The bag" section).
B. Cleaner suction low	1. Bag full. 2. Obstruction in hose, wands or nozzle connector. 3. Secondary filter dirty. 4. Bag not opening. 5. Suction regulator control improperly set. 6. Hose not properly connected to cleaner.	1. Change throw away bag. 2. Remove foreign object. 3. Clean or replace filter. 4. Open bag by pulling folds. 5. Check to be sure suction regulator is set properly. 6. Reconnect hose.
C. Agitator won't run	1. Hose power cord not firmly plugged in. 2. Broken or worn belt. 3. Nozzle sealed to carpet.	1. Plug firmly into receptacle on cleaner base and underneath handle. 2. Replace belt. 3. Open suction regulator.
D. Nozzle won't pick up	1. Low cleaner suction. 2. Obstruction in nozzle connector. 3. Agitator not running. 4. Agitator brushes worn.	1. See Item B. 2. Remove foreign object. 3. See Item C. 4. Replace brushes.

Service

If the problem persists, check the Yellow Pages of your telephone book under "Vacuum Cleaners - Household" for your nearest **Hoover Factory Service Center or Authorized Warranty Service Dealer** where approved HOOVER service and genuine HOOVER replacement parts may be obtained. The warranty provided with this product has a listing of the Hoover Factory Service Centers. If you are unable to obtain the information you need from the Yellow Pages, contact a Hoover Factory Service Center to find your nearest Authorized Warranty Service Dealer. For service under warranty, follow the instructions in the warranty provided with this product.

Do not send your cleaner to The Hoover Company in North Canton for service as this will only result in delay.

Always identify your cleaner by the **complete** model number when requesting information or ordering replacement parts. (The model number appears on the bottom of the cleaner.)

If further assistance is needed, contact **The Hoover Company Consumer Affairs Department, North Canton, Ohio 44720, 216-499-9200.**

Lubrication

The motor is equipped with two bearings that contain sufficient lubrication for the life of the motor. The addition of lubricant could cause damage. **Therefore, do not add lubricant to either motor bearing.**

The agitator is equipped with two ball bearings that should be lubricated periodically. This should be done by a Hoover Factory Service Center or an Authorized Hoover Warranty Service Dealer.

Energy saving tips

1. Replace throw away cleaner bag promptly, before overfilled. Use a genuine HOOVER bag made for your cleaner.
2. Turn off cleaner when not in use, such as when moving furniture.
3. Keep your cleaner operating at peak performance — have inspection and service performed by a Hoover Factory Service Center or Authorized Hoover Warranty Service Dealer.

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THE HOOVER COMPANY, NORTH CANTON, OHIO 44720